

Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 79.9

Color temperature:

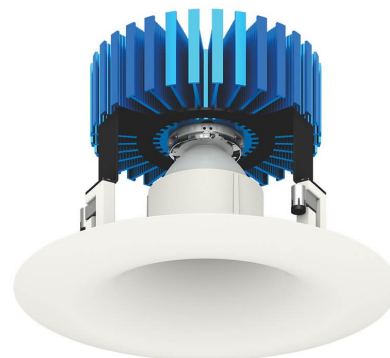
2945 K

Output: 3490 lm

Peak: 5325 cd

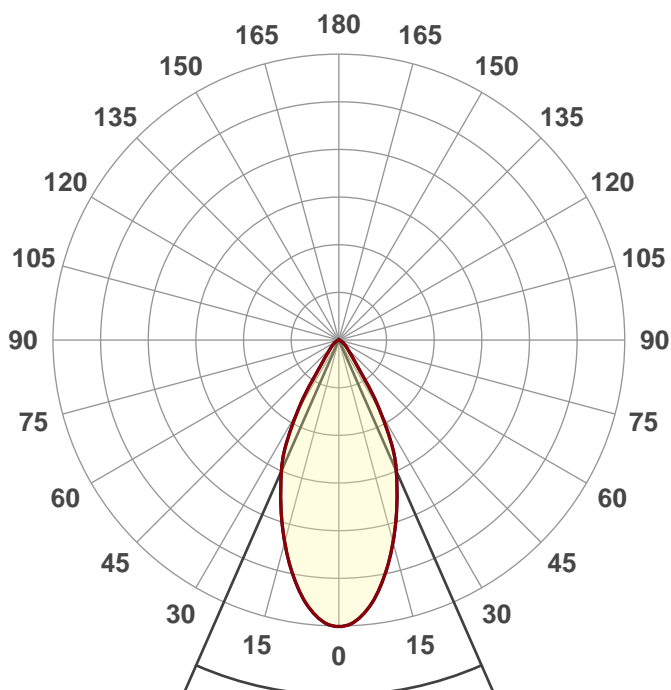
Power: 51.5 W

PF: 1.0



621-6INV-XTM19-50LM-30K-83-  
DA50-120-DIM10-NC

Date and time:  
1/26/2018 2:26:08 PM



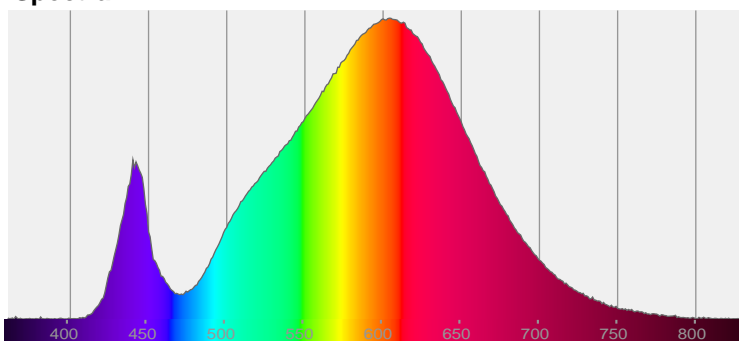
Beam angle

47.4°

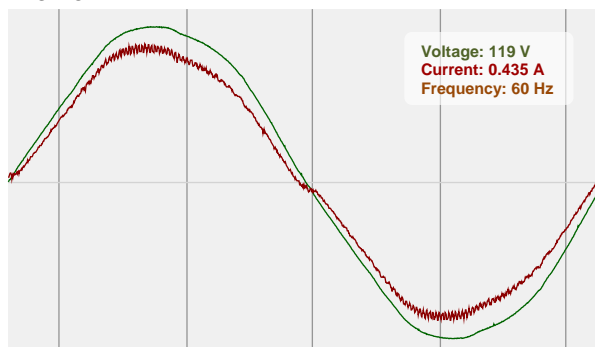


CIE 1931  
x: 0.445  
y: 0.413

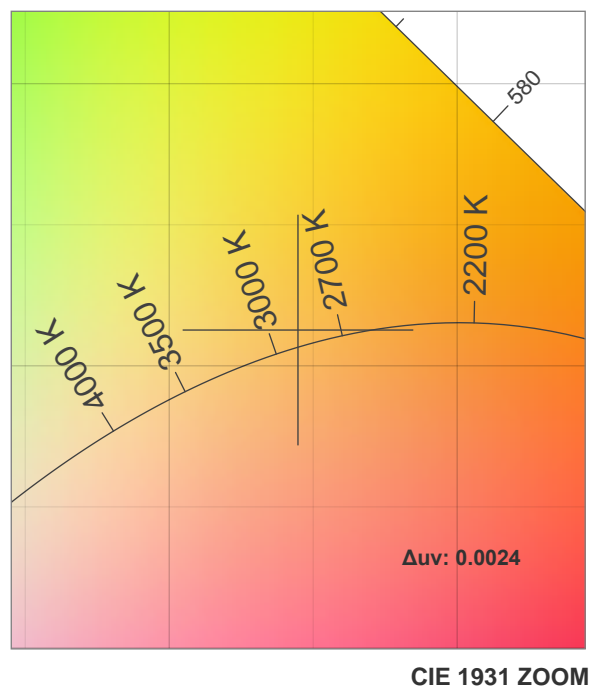
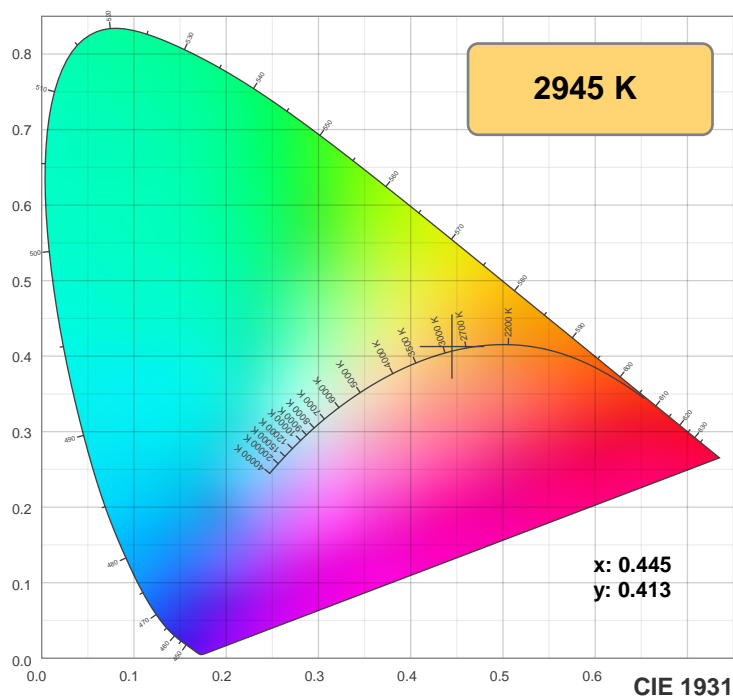
Spectra



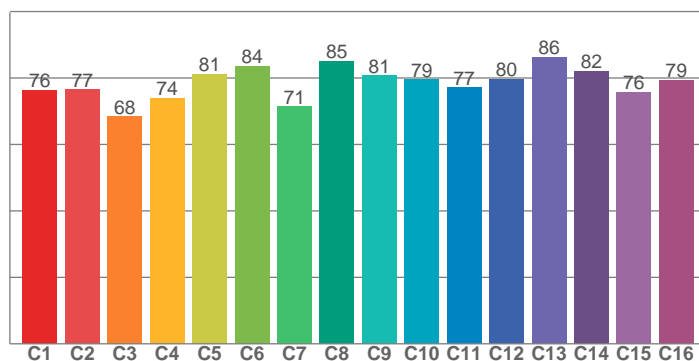
Power



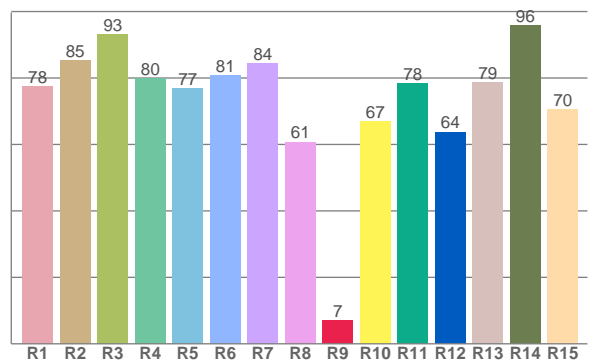
## Color details



**TM30: 78.3**



**CRI: 79.9 (R1-R8)**



**CRI R values, only R1-R8 are used to calculate final CRI value**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
77.6	85.4	93.1	80.0	76.9	80.8	84.5	60.8	7.0	66.9	78.4	63.8	78.6	95.8	70.5

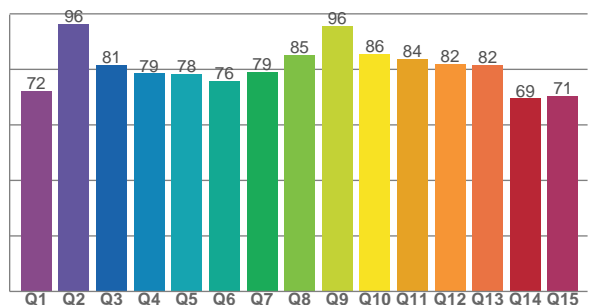
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
76.3	76.5	68.4	74.0	81.2	83.6	71.4	85.1	80.7	79.5	77.2	79.7	86.4	82.1	75.8	79.4

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
72.4	96.5	81.5	78.5	78.3	75.9	79.1	85.3	95.8	85.6	83.7	82.1	81.6	69.5	70.5

**CQS: 79.5**



## Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2945 K	79.9	7.0	78.3	98.6	79.5	0.445	0.413	0.252	0.351	0.0024

## TM30 details

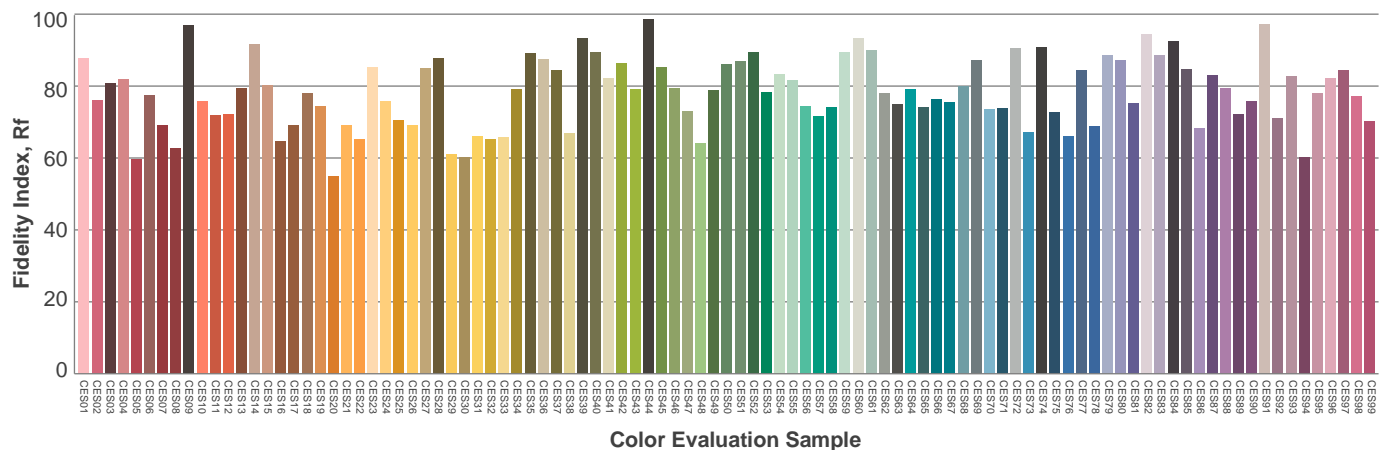
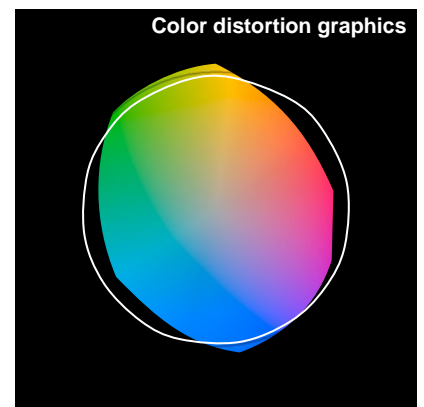
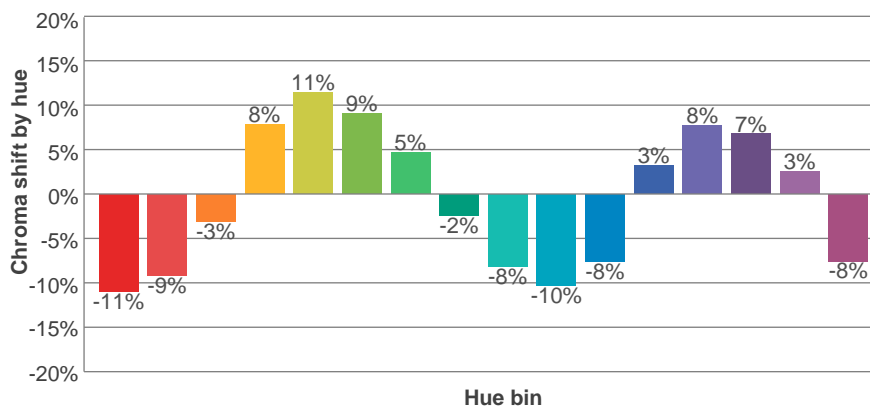
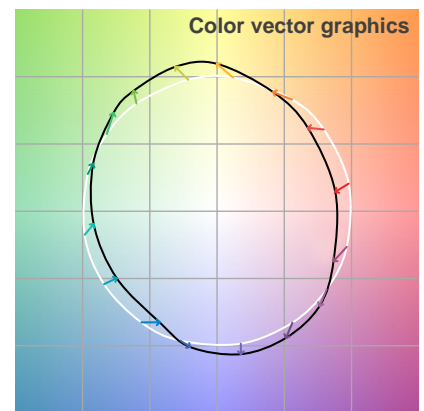
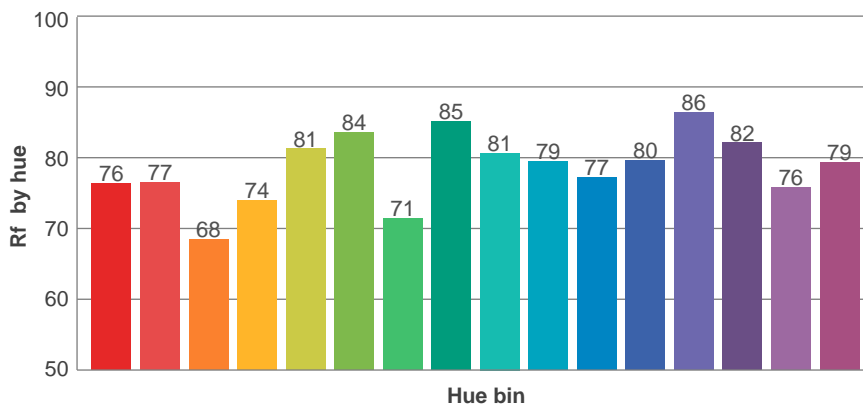
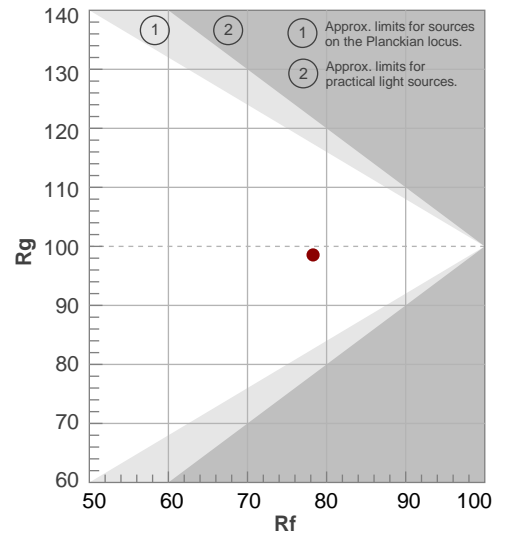
**Rf 78.3**

Fidelity index Rf

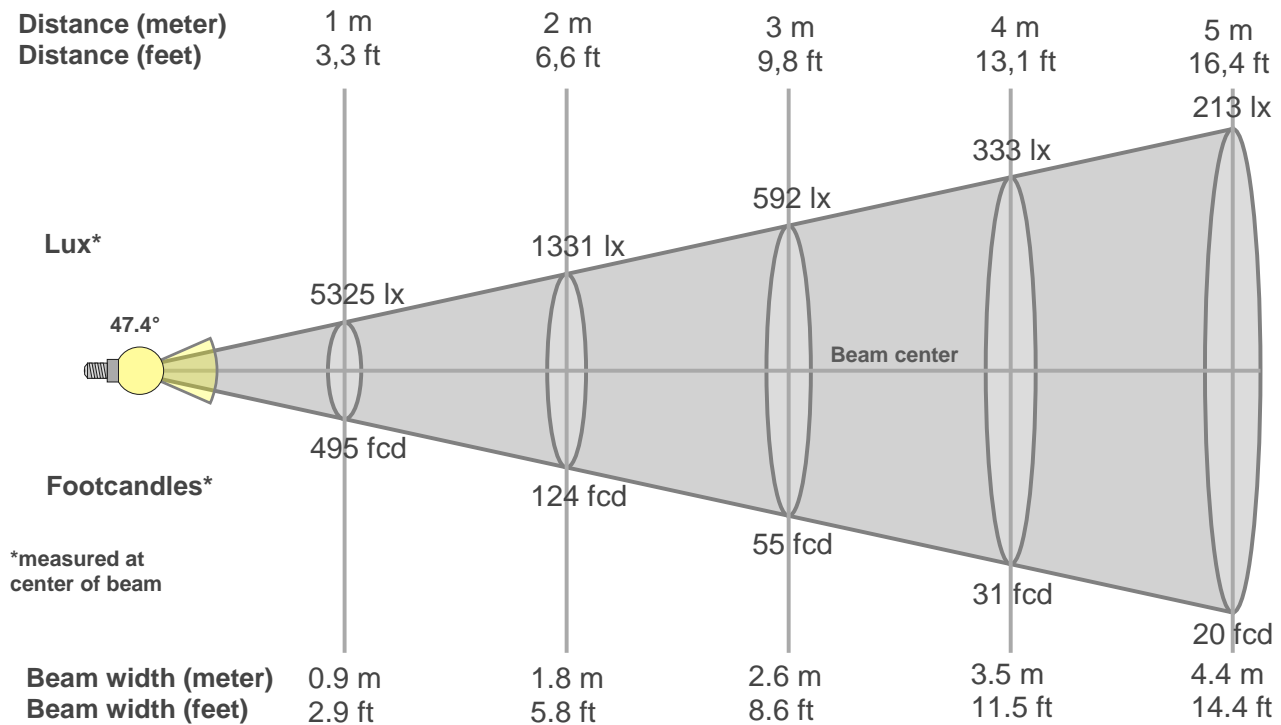
**Rg 98.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	76	-11%	-4%
2	77	-9%	8%
3	68	-3%	15%
4	74	8%	14%
5	81	11%	8%
6	84	9%	-3%
7	71	5%	-16%
8	85	-2%	-8%
9	81	-8%	-7%
10	79	-10%	2%
11	77	-8%	11%
12	80	3%	8%
13	86	8%	-1%
14	82	7%	-10%
15	76	3%	-13%
16	79	-8%	-12%



## Beam details



### Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
5325lx	1331lx	592lx	333lx	213lx	148lx	109lx	83lx	66lx	53lx	44lx	37lx	32lx	27lx	24lx	21lx	18lx	16lx	15lx	13lx
494.7fc	123.7fc	55fcd	30.9fcd	19.8fcd	13.7fcd	10.1fcd	7.7fcd	6.1fcd	4.9fcd	4.1fcd	3.4fcd	2.9fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.4fcd	1.2fcd

### Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
5325	5325	5204	5054	4860	4609	4355	4064	3773	3481	3188	2899	2619	2339	1963	1574	1209	867	554	452
100%	100%	98%	95%	91%	87%	82%	76%	71%	65%	60%	54%	49%	44%	37%	30%	23%	16%	10%	8%

### Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
5325	5325	5204	5054	4860	4609	4355	4064	3773	3481	3188	2899	2619	2339	1963	1574	1209	867	554	452
100%	100%	98%	95%	91%	87%	82%	76%	71%	65%	60%	54%	49%	44%	37%	30%	23%	16%	10%	8%

### Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
5325	5325	5204	5054	4860	4609	4355	4064	3773	3481	3188	2899	2619	2339	1963	1574	1209	867	554	452
100%	100%	98%	95%	91%	87%	82%	76%	71%	65%	60%	54%	49%	44%	37%	30%	23%	16%	10%	8%

### Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
5325	5325	5204	5054	4860	4609	4355	4064	3773	3481	3188	2899	2619	2339	1963	1574	1209	867	554	452
100%	100%	98%	95%	91%	87%	82%	76%	71%	65%	60%	54%	49%	44%	37%	30%	23%	16%	10%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47.4°	72.8°	104.8°	98.3%	93.2%